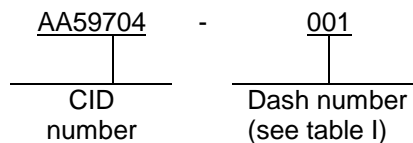


COMMERCIAL ITEM DESCRIPTION

FUSE CARTRIDGE, DUAL-ELEMENT, TIME-DELAY, CLASS RK1 600 VOLTS (V), BLOWN FUSE INDICATION

The General Services Administration has authorized the use of this Commercial Item Description (CID) for all federal agencies.

1. **SCOPE.** This CID covers the general requirements for 600 volt, dual-element, time-delay, class RK1 type fuse cartridges. Fuse cartridges covered by this CID are intended for commercial/industrial applications.
2. **CLASSIFICATION.** This CID uses a classification system that is included in the Part Identification Number (PIN) as shown in the following example (see 7.1).

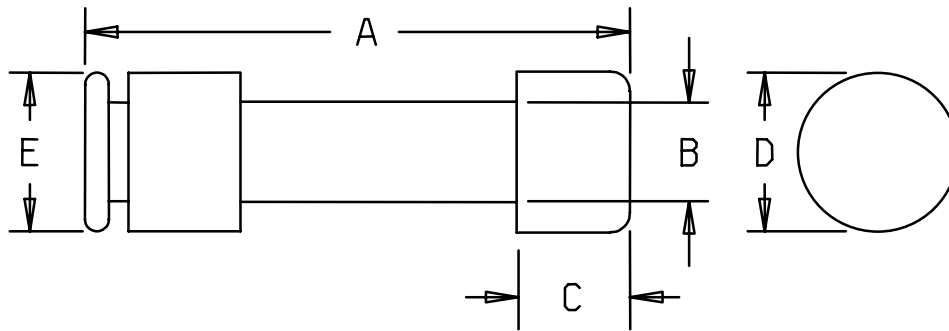


3. SALIENT CHARACTERISTICS.

- 3.1 Interface and physical dimensions. Fuse cartridges supplied to this CID shall be as specified herein (see figures 1 and 2).
- 3.2 Ampere rating. The ampere rating shall be as specified in table I.
- 3.3 Voltage rating. The voltage rating shall be 600 V ac, 300 V dc maximum.
- 3.4 Short circuit interrupt rating. The short circuit interrupt shall be 200,000 amperes root mean square (RMS) symmetrical, 20,000 amperes dc.
- 3.5 Opening time characteristics. This fuse shall open within 10 seconds minimum at 500 percent of rated current.
- 3.7 Blown fuse indication. This fuse provides blown fuse indication. Location of blown fuse indicator is optional.
- 3.8 Marking. Fuse cartridges supplied to this CID shall be marked with the manufacturer's standard commercial PIN.

Beneficial comments recommendations, additions, deletions, clarifications, etc., and any data which may improve this document should be addressed to: Defense Supply Center, Columbus, ATTN: DSCC-VAT, Post Office Box 3990, Columbus, OH 43216-5000, or telephone (614) 692-0548, or facsimile (FAX) (614) 692-6939.

A-A-59704

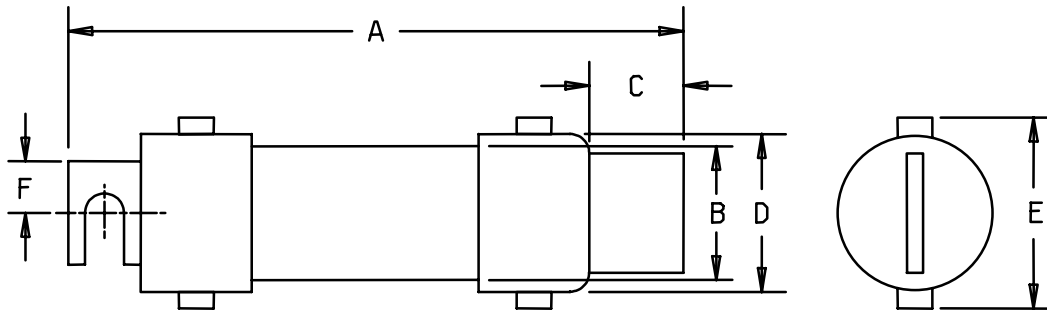


AA59704-	Dimensions				
	A	B	C	D	E
001 through 041	5.000 (127.0)	.750 (19.1)	.625 (15.9)	.813 (20.6)	.625 (15.9)
042 through 046	5.5 (139.7)	1 (25.4)	.625 (15.9)	1.063 (27.0)	.875 (22.2)

NOTES:

1. Dimensions are in inches.
2. Unless otherwise specified, tolerance is ± 0.005 inch (0.13 mm).

FIGURE 1. Configuration and dimensions.



AA59704-	Dimensions					
	A	B	C	D	E	F
047 through 050	7.875 (200.0)	1.25 (31.8)	1.063 (27.0)	1.313 (33.3)	1.50 (38.1)	.25 (6.4)
051 through 055	9.625 (244.5)	1.75 (44.5)	1.469 (37.3)	1.844 (46.8)	2.093 (53.2)	.438 (11.1)
056 through 060	11.625 (295.3)	2.50 (63.5)	2 (50.8)	2.594 (65.9)	2.844 (72.2)	.625 (15.9)
061 through 063	13.375 (339.7)	3 (76.2)	2.406 (61.1)	3.094 (78.6)	3.344 (84.93)	.750 (19.1)

NOTES:

1. Dimensions are in inches.
2. Unless otherwise specified, tolerance is ± 0.005 inch (0.13 mm).

FIGURE 2. Configuration and dimensions.

TABLE I. Electrical characteristics.

AA59704-	Ampere rating	AA59704-	Ampere rating	AA59704-	Ampere rating
001	1/10	022	3	043	40
002	1/8	023	3 2/10	044	45
003	15/100	024	3 1/2	045	50
004	2/10	025	4	046	60
005	1/4	026	4 1/2	047	70
006	3/10	027	5	048	80
007	4/10	028	5 6/10	049	90
008	1/2	029	6	050	100
009	6/10	030	6 1/4	051	110
010	8/10	031	7	052	125
011	1	032	7 1/2	053	150
012	1 1/8	033	8	054	175
013	1 1/4	034	9	055	200
014	1 4/10	035	10	056	225
015	1 1/2	036	12	057	250
016	1 6/10	037	15	058	300
017	18/10	038	17 1/2	059	350
018	2	039	20	060	400
019	2 1/4	040	25	061	450
020	2 1/2	041	30	062	500
021	2 8/10	042	35	063	600

4. **REGULATORY REQUIREMENTS.** The offeror/contractor is encouraged to use recovered materials to the maximum extent practicable, in accordance with paragraph 23.403 of the Federal Acquisition Regulation (FAR).

5. **PRODUCT CONFORMANCE PROVISIONS.**

5.1 Product conformance. The products provided shall meet the salient characteristics of this CID, conform to the producer's own drawings, specifications, standards, and quality assurance practices, and be the same product offered for sale in the commercial market. The Government reserves the right to require proof of such conformance.

5.2 Market acceptance. The following market acceptance criteria are necessary to document the quality of the product to be provided under this CID:

- a. The company producing the item must have been producing a product meeting the requirements of this CID for at least 6 months.
- b. The company must have sold 1,000 units meeting this CID in the commercial marketplace over the past 6 months.

6. **PACKAGING.** Preservation, packing, and marking shall be as specified in the contract or order.

7. **NOTES.**

7.1 PIN. The PIN should be used for Government purposes to buy commercial products to this CID. See section 2 for PIN format example.

7.2 Commercial and Government Entity (CAGE) code. For ordering purposes, inventory control, and submission of these fuse cartridges to DSCC under the Military Parts Control Advisory Group (MPCAG) evaluation program, CAGE code 58536 should be used.

7.3 Source of document.

Other publications.

UNDERWRITERS LABORATORIES, INCORPORATED (UL)

UL 248-12 - Low-Voltage Fuses - Part 12: Class R Fuses.

(Applications for copies should be addressed to the Underwriters Laboratories, Incorporated, 333 Pfingsten Road, Northbrook, IL 60062-2096.)

(Industry association specifications and standards are generally available for reference from libraries. They are also distributed among technical groups and using federal agencies.)

7.4 Ordering data. The contract or order should specify the following:

- a. CID document number, revision, and CID PIN.
- b. Product conformance provisions.
- c. Packaging requirements.

7.5 Commercial products. As part of the market analysis and research effort, this CID was coordinated with the following manufacturers of commercial products. At the time of CID preparation and coordination, these manufacturers were known to have commercial products that would meet the requirements of this CID. (NOTE: This information should not be considered as a list of approved manufacturers or be used to restrict procurement to only the manufacturers shown.)

<u>Manufacturer's CAGE</u>	<u>Manufacturer's name and address</u>
75915	Littelfuse Incorporated 800 E. Northwest Highway Des Plaines, IL 60016-3096 Phone number: (847) 824-1188 Facsimile number: (847) 391-0894 E-mail: powrgard@littelfuse.com Uniform Resource Locator (URL): www.littelfuse.com

A-A-59704

7.6 Part number (P/N) supersession data. This CID supersedes the following manufacturers' P/N's as shown. This information is being provided to assist in reducing proliferation in the Government inventory system.

TABLE II. P/N supersession data.

CID dash number (see table I)	MFR's CAGE 75915	CID dash number (see table I)	MFR's CAGE 75915	CID dash number (see table I)	MFR's CAGE 75915
AA59704/01-	MFR's P/N <u>1/</u>	AA59704/01-	MFR's P/N <u>1/</u>	AA59704/01-	MFR's P/N <u>1/</u>
001	N/A	022	LLSRK 3 ID	043	LLSRK 40 ID
002	N/A	023	LLSRK 3 2/10 ID	044	LLSRK 45 ID
003	N/A	024	LLSRK 3 1/2 ID	045	LLSRK 50 ID
004	N/A	025	LLSRK 4 ID	046	LLSRK 60 ID
005	N/A	026	LLSRK 4 1/2 ID	047	LLSRK 70 ID
006	N/A	027	LLSRK 5 ID	048	LLSRK 80 ID
007	N/A	028	LLSRK 5 6/10 ID	049	LLSRK 90 ID
008	N/A	029	LLSRK 6 ID	050	LLSRK 100 ID
009	N/A	030	LLSRK 6 1/4 ID	051	LLSRK 110 ID
010	N/A	031	LLSRK 7 ID	052	LLSRK 125 ID
011	LLSRK 1 ID	032	LLSRK 7 1/2 ID	053	LLSRK 150 ID
012	LLSRK 1 1/8 ID	033	LLSRK 8 ID	054	LLSRK 175 ID
013	LLSRK 1 1/4 ID	034	LLSRK 9 ID	055	LLSRK 200 ID
014	LLSRK 1 4/10 ID	035	LLSRK 10 ID	056	LLSRK 225 ID
015	LLSRK 1 1/2 ID	036	LLSRK 12 ID	057	LLSRK 250 ID
016	LLSRK 1 6/10 ID	037	LLSRK 15 ID	058	LLSRK 300 ID
017	LLSRK 1 8/10 ID	038	LLSRK 17 1/2 ID	059	LLSRK 350 ID
018	LLSRK 2 ID	039	LLSRK 20 ID	060	LLSRK 400 ID
019	LLSRK 2 1/4 ID	040	LLSRK 25 ID	061	LLSRK 450 ID
020	LLSRK 2 1/2 ID	041	LLSRK 30 ID	062	LLSRK 500 ID
021	LLSRK 2 8/10 ID	042	LLSRK 35 ID	063	LLSRK 600 ID

1/ The manufacturer's P/N shall not be used for procurement to the requirements of this CID.

At the time of preparation of this CID, the aforementioned commercial products were reviewed and could be replaced by the CID P/N shown.

7.7 Government users. To acquire information on obtaining these fuses from the Government inventory system, contact Defense Supply Center, Columbus, ATTN: DSCC-CSBB, Post Office Box 3990, Columbus, OH 43216-5000, or telephone (614) 692-7625.

MILITARY INTERESTS:

Custodians:
Navy - EC

CIVIL AGENCY COORDINATING ACTIVITY:

GSA - 7FXE

Preparing activity:

DLA-CC

Project 5920-0734